

Epidemiologic study on accidents among children under five years old during 2006 to 2016-Qazvin

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Received: 1 Oct 2016; Accepted: 15 Apr 2017

*Abstract

Background: Children, due to their insufficient risk detection, are more vulnerable to accidents than adults.

Objective: The present study has been done to explore the prevalence of accidents and related factors among children under five years old from 2006 to 2016 in Qazvin.

Methods: This descriptive-analytic study concluded all 18184 children who had exposure to accidents during study time section from 2006 to 2016. All recorded data in Health Information System (HIS) of Qazvin Health Management Office were probed to explore the target figures, and then were entered in a qualified checklist. All data were analyzed by descriptive statistical methods and Multinomial Logistic Regression.

Findings: The prevalence rate of accidents in the target children was eight percent, which more than half (62.9 %) were taken place in boys. Accidents in children before one year old (31.4 %), and home accidents (46.5%) were the most prevalent one. In addition to these, the rates of Trauma, Fallings, and Traffic accidents were 31.8%, 15.6%, 14.9%, respectively. The most prevalent time of accident was summer (29.7%), especially in July (12.1%).

Conclusion: The risk of accidents in the young children, and boys are more than others. Unsafe home environment, motor vehicles accidents, and doing unsafe behaviors are the main causes for increasing the risk. Yet, application of some programs such as; mothers' education, administration of traffic rules may decrease the risk of accidents in the children.

Keywords: Epidemiology, Accidents, Children, Iran

Citation: Hosseinzadeh K, Souri A, Daliri S. Epidemiologic study on accidents among children under five years old during 2006 to 2016-Qazvin. J Qazvin Univ Med Sci. 2017; 21 (3): 39-47.